Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Charge Density Waves in Individual Nanoribbons of Orthorhombic-TaS_3

Katie E. Farley,[1,2#] Zhenzhong Shi,[3#] G. Sambandamurthy,[3*] and Sarbajit Banerjee[1*]

1Department of Chemistry, Texas A&M University, College Station, TX 77842;banerjee@chem.tamu.edu
2Department of Materials Science and Engineering, Texas A&M University, College Station, TX 77842-3012
3Department of Physics, University at Buffalo, The State University of New York, Buffalo, NY 14260; sg82@buffalo.edu
 # these authors contributed equally to this work

Supporting Information

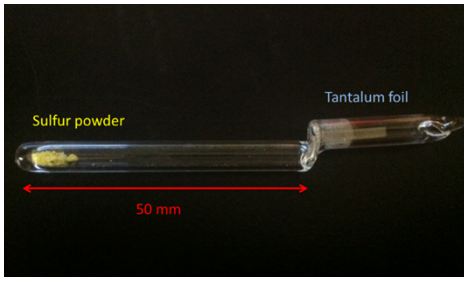

Figure S1: Reaction vessel used in chemical vapor transport synthesis of TaS_3 nanowires. The constriction prevents the direct mixing of the precursors and ensures that only sublimed S can react with the Ta surface.

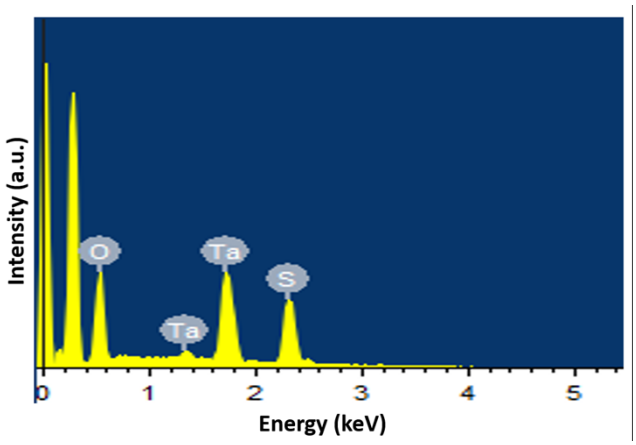

Figure S2: Energy dispersive X-ray analysis acquired indicates a Ta:S ratio of 1:3.1.